PATENT COOPERATION TREATY

From the INTERNATI	ONAL SEARCH	IING AUTH	ORITY						
To: ANN M. LAFEIR LOWENSTEIN SANDLER PC 65 LIVINGSTON AVENUE ROSELAND, NJ 07068				PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
					(PCT Rule 43bis.1)				
					Date of mailing (day/month/year	L5 JUN 2006			
Applicant's or agent's file reference					FOR FURTHER ACTION				
18016-21	18016-21					See paragraph 2 below			
Internation	al application No		International filing date		(day/month/year)	Priority date (day/month/year)			
PCT/US06			03 February 2006 (03.02			03 February 2005 (03.02.2005)			
	al Patent Classifi		or both nationa	l classificat	ion and IPC				
	A61K 36/00 (200 I24/7 76	6.01)							
Applicant	124,770								
	BIOSCIENCES,	INC.							

1. This o	pinion contains in	ndications rel	ating to the fol	lowing item	s:				
	Box No. I	Basis of the	opinion						
	Box No. II Priority								
	Box No. III	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
	Box No. IV	Lack of uni	Lack of unity of invention						
	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
	Box No. VI	Certain doc	Certain documents cited						
	Box No. VII	Certain defects in the international application							
	Box No. VIII	I Certain observations on the international application							
2. FUR	THER ACTIO	N							
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.									
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.									
For fu	rther options, see	Form PCT/I	SA/220.						
3. For further details, see notes to Form PCT/ISA/220.									
	mailing address		JS Dat	te of comple	tion of this opinio	1 Marxing 111 CURK			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents 23 May 2006 (23.05.2006)	Mandal Winston				
P.O. Box 1450									
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Form PCT/ISA/237 (cover sheet) (April 2005)									

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US06/03686	

Box No. I Basis of this opinion						
1. With regard to the language, this opinion has been established on the basis of:						
the international application in the language in which it was filed						
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).						
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
on paper						
in electronic form						
c. time of filing/furnishing						
contained in the international application as filed.						
filed together with the international application in electronic form.						
furnished subsequently to this Authority for the purposes of search.						
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additional comments:						

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US06/03686

Box No. V	Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industria
	applicability; citations and explanations supporting such statement

1. Statement Claims 1-162 YES Novelty (N) NO Claims NONE Inventive step (IS) Claims NONE YES NO Claims <u>1-162</u> Claims 1-162 YES Industrial applicability (IA) Claims NONE NO

2. Citations and explanations:

Claims 1-162 lack inventive step under PCT Article 33(3) as being unpatentable over BREITBARTH (US 5,502,056). Breithbarth teaches (see, e.g. column 2 lines 14-24) the claimed invention of a pharmaceutical composition comprising a compound isolated from a botanical raw material (i.e. the isolated material is Coffea to isolate a methylation modifying compound of a water or alcohol extract) wherein when the pharmaceutical composition and/or isolated compound is administered to a subject, the compound would have the intrinsic effect of inhibiting a demethylating enzyme to promote the general health of the subject. Breithbarth does not teach all the claimed botanical raw material and all the forms of the composition. However, based on the overall teachings of Breithbarth, the adjustment of other conventional working conditions therein (i.e. the substitution of one botanical material for the other, the substitution of one form for the other, the pH and the alcohol substitution of the extract), is deemed judicious selection and routine optimization which is well within the purview of the skilled artisan.

Claims 1-162 meet the novelty criteria set out in PCT Article 33(2) because there is no express teachings of all the claimed botanical material and all the claimed forms.

Claims 1-162 meet the criteria set out in PCT Article 33(4) and thus claims 1-162 have industrial applicabilility because the subject matter claimed can be made or used industry.